



United States
Department of
Agriculture

Agricultural
Marketing
Service

Science &
Technology

Monitoring Programs Office
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TO: See Distribution List

FROM: Martha Lamont
Director

SUBJECT: Semi-Annual Program Plan (January through June 2006) – Pesticide Data Program

This Program Plan serves as the current Statement of Work for the period January through June 2006 for each of the States participating in the Pesticide Data Program (PDP). This document also stipulates work assignments for the Federal facilities participating in PDP. The contents of the Plan have been discussed with the U.S. Environmental Protection Agency (EPA).

I. ADMINISTRATIVE UPDATES

- A. Summary Status:** The 2004 PDP Annual Summary was drafted and submitted for Department review November 2005.
- B. Personnel:** Program participants are reminded to keep PDP management informed of any critical personnel vacancies, staffing issues, or expected increases in rent (due to laboratory or office renovation/relocation, etc.). The Monitoring Programs Office (MPO) requires this information for financial management, workload assignments, and to monitor potential backlogs.
- C. USDA-EPA PDP Planning Meeting:** The MPO held a planning meeting on May 5, 2005, with EPA Health Effects Division (HED) representatives to discuss PDP commodities and analytes to be included during 2006. The results of this meeting are detailed in Section II, Program Sampling and Testing Updates.

D. Program Meetings:

Federal/State Meeting: A joint meeting for PDP and the Microbiological Data Program (MDP) was held September 27-29, 2005, in Denver, Colorado. Administrative, sampling, and technical issues for both programs were covered. Attendees included PDP and MDP Administrative, Sampling, and Technical Program Managers and representatives from EPA/HED, the Food Emergency Response Network (FERN), U.S. Food and Drug Administration (FDA), Centers for Disease Control and Prevention (CDC), and the Virginia Division of Consolidated Laboratory Services (DCLS).

Technical/Quality Assurance (QA) Meeting: A joint PDP and MDP Quality Assurance (QA)/Technical Meeting is planned for March 27-31, 2006, at the Virginia Division of Consolidated Laboratory Services (DCLS), Richmond, Virginia. Anticipated agenda topics include: administrative and planning issues; program results reporting; quality control (QC)

spiking procedures; commodity groupings and method validation; problem compounds; proficiency testing; data package requirements; and Standard Operating Procedure (SOP) revisions and archival.

E. Technical Advisory Group (TAG): Current members of the PDP Technical Advisory Group (TAG), formerly the PDP QA Committee, are Harnek Nijjar (Presiding Member, California), Theresa Struble (Michigan), and Heidi Phillips (Colorado).

F. January through June 2006 Proficiency Testing (PT) Program: The following table outlines the PT program schedule for January through June 2006. This portion of the PT program includes samples for fresh and processed fruit and vegetables and water.

PE SET NO.	SHIPMENT DATE ¹	PROVIDER	COMMODITY	LABORATORY
139	January 2006	CDFA	Eggplant	OH1
140	February 2006	AOAC	Cauliflower	CA1, FL1, FL2, MI1, NY1, OH1, TX1, WA1
141	March 2006	CDFA	Grapefruit	CA1, MI1
142	April	GLEC ²	Water	CO1, MN1, MT1, NY1
143	May 2006	CDFA	Peanut Butter	US3
144	June 2006	AOAC	Grapefruit	CA1, FL1, FL2, MI1, NY1, OH1, TX1, WA1

¹ Target shipment date for all providers is the second Tuesday of the month.

² Great Lakes Environmental Center (GLEC) to supply kits to selected water site for collection of replicate samples for analysis of incurred residues.

For assays involving eggplant, grapefruit, and peanut butter, please provide analytical methods and any special requirements for sample preparation (e.g., silinization of glassware) to Harnek Nijjar, California Department of Food and Agriculture (CDFA), Quality Assurance Unit (QAU). These samples are subject to validated compounds specified in the applicable PDP-QC-13 addendum. Analyte levels are determined based on limits of detection (LODs) reported to the PDP central database. Please remember to report results concurrently to MPO and the CDFA QAU.

General multi-residue method (MRM) samples for fresh fruit and vegetables will be supplied by AOAC in February and June 2006. Participants are only evaluated for those residues analyzed by their laboratory and the report provided will clearly identify these pesticides. A list of potential target chemicals may be viewed at <http://www.aoac.org/proficiencytesting/resultchecklist.PDF>. Please report results concurrently to AOAC and MPO.

For water, replicate field samples will be shipped to the laboratories for analysis of incurred residues. Results for all samples should be reported concurrently to the laboratory QAU and MPO.

G. Standard Operating Procedures (SOPs):

New and Revised SOPs Released July 1, 2005

- PDP-ADMIN-04, Laboratory Equipment
- PDP-DATA-01, Data Reduction and Validation
- PDP-DATA-02, Reporting Results
- PDP-QC-07, Demonstration of Method Performance
- PDP-QC-13, Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings
- PDP-QC-13 Cauliflower, Commodity Specific Requirements for Cauliflower
- PDP-QC-15, Mass Spectrometry (MS) Criteria
- PDP-QC-16, ISO 17025 Links to PDP SOPs

New and Revised SOPs Released September 1, 2005

- PDP-QC-13 Soybeans, Commodity Specific Requirements for Soybeans

New and Revised SOPs Released October 1, 2005

- PDP-LABOP-03, Sample Preparation for Fresh Fruit and Vegetable, Grain, and Processed Commodities
- PDP-INST-01, Maintenance Procedures and Documentation
- PDP-INST-02, Equipment Calibration
- PDP-INST-03, Instrument SOPs and Manuals
- PDP-INST-04, Injection Sequences
- PDP-QC-01, Blanks and Spikes Required per Set
- PDP-QC-04, Acceptability Criteria for Process Control and Fortification Recoveries
- PDP-QC-08, Control Charting of Data
- PDP-QC-13 Grapefruit, Commodity Specific Requirements for Grapefruit
- PDP-QC-13 Plums, Commodity Specific Requirements for Plums
- PDP-QC-13 Watermelon, Commodity Specific Requirements for Watermelon
- PDP-QC-13 Winter Squash, Commodity Specific Requirements for Winter Squash

New and Revised SOPs to be Released January 1, 2006

- PDP-DATA-04, Data Submission, Storage, Retrieval, and Archival
- PDP-DATA-06, Data Review Requirements
- PDP-LABOP-12, Animal Tissue Analysis
- PDP-QC-13, Required compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings
- PDP-QC-13 Apples, Commodity Specific Requirements for Apples
- PDP-QC-13 Bananas, Commodity Specific Requirements for Bananas
- PDP-QC-13 Carrots, Commodity Specific Requirements for Carrots
- PDP-QC-13 Peanut Butter, Commodity Specific Requirements for Peanut Butter
- PDP-QC-13 Peas, Commodity Specific Requirements for Peas
- PDP-QC-13 Potatoes, Commodity Specific Requirements for Potatoes
- PDP-QC-13 Poultry, Commodity Specific Requirements for Poultry
- PDP-QC-13 Spinach, Commodity Specific Requirements for Spinach
- PDP-QC-13 Watermelon, Commodity Specific Requirements for Watermelon

SOPs to be Released April 1, 2006

- PDP-LABOP-01, Sample Receipt, Storage, Archiving, and Disposal
- PDP-LABOP-13, Receipt, Custody, Preparation, Packaging, and Shipment of PDP Homogenates
- PDP-STD-01, Analytical Reference Standards Receipt and Storage
- PDP-STD-02, Analytical Reference Standards Preparation
- PDP-STD-03, Analytical Reference Standards Quality Control
- PDP-QC-03, Performance Evaluation of Technical Personnel
- PDP-QC-05, Approval Process for Method Modification
- PDP-QC-10, Estimation of LOD and LOQ for Chromatographic Methods
- PDP-QC-14, Quality Assurance/Quality Control for Water

SOPs to be Released July 1, 2006

- PDP-ADMIN-01, Facilities
- PDP-ADMIN-02, Personnel and Organization
- PDP-ADMIN-03, Training/Personnel Records
- PDP-ADMIN-06B, Laboratory Quality Assurance Units (QAUs)
- PDP-ADMIN-08, Historical Standard Operating Procedure (SOP) File
- PDP-DATA-01, Data Reduction and Validation
- PDP-DATA-02, Reporting Results
- PDP-DATA-03, Quantitation and Confirmation of Pesticide Residues
- PDP-DATA-04, Data Submission, Storage, Retrieval, and Archival
- PDP-DATA-05, Remote Data Entry (RDE) System
- PDP-DATA-06, Data Review Requirements
- PDP-QC-07, Demonstration of Method Performance
- PDP-QC-13, Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings
- PDP-QC-13 Raisins, Commodity Specific Requirements for Raisins

H. Electronic Transfer of Data

RDE Version Upgrades: The current version of the Web-based RDE system was installed in June 2005 and the next version upgrade is tentatively scheduled for March 2006. A version upgrade for the RDE e-SIF system for laptops/palmtops is in development to add selection lists for populating the post-harvest treatment field and to allow the user to change an existing Sample ID that has an erroneous entry. The e-SIF upgrade is expected to be available in December 2005. MPO maintains a Change Request Database to capture all problems identified and suggestions made regarding the RDE system.

RDE Web Addresses: RDE users in the laboratories should be using the SSL (Secure Socket Layer) site address to access the Web-based RDE system on the AMS production Web server. The only difference is the addition of the letter "s" following "http". This SSL technology is used to encrypt all data passed between the user's computer and the central web server. If the secure site is not available, the AMS developmental Web server can be used.

- I. Cooperative Agreements:** The fiscal year 2006 Cooperative Agreements will be issued as soon as the budget is signed by the President. Funds will be made available as soon as the agreements are signed. As a reminder, billing must be monthly and contain a breakdown of sampling vs. testing costs according to the categories listed on the budget tracking template provided by MPO.

II. PROGRAM SAMPLING AND TESTING UPDATES

- A. Sampling Changes and Rotations:** (Draft 1st and 2nd Quarter 2006 Shipping Charts are attached to this document. Actual shipping dates and fact sheets will be sent under separate cover with final versions of the Shipping Charts.)

Sampling Deletions

Apple collection ended *December 31, 2005*.

Grape collection ended *December 31, 2005*.

Lettuce collection ended *December 31, 2005*.

Orange collection ended *December 31, 2005*.

Strawberry collection ended *December 31, 2005*.

Frozen green bean collection ended *December 31, 2005*.

Fluid milk collection ended *December 31, 2005*.

Heavy cream collection ended *December 31, 2005*.

Soybean collection ended *December 31, 2005*.

Winter squash collection ends *June 30, 2006*.

Sampling Additions

Applesauce is being added *January 1, 2006*. With the exception of samples from California and Maryland, samples will be sent to the New York (NY1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Bananas are being added *January 1, 2006*. With the exception of samples from California and Maryland, samples will be sent to the Tallahassee, Florida (FL1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Carrots are being added *January 1, 2006*. With the exception of samples from California and Maryland, samples will be sent to the Michigan (MI1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Frozen peas are being added *January 1, 2006*. With the exception of samples from California and Maryland, samples will be sent to the Winter Haven, Florida (FL2) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Frozen potatoes are being added *January 1, 2006*. With the exception of samples from California and Maryland, samples will be sent to the Washington (WA1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Spinach is being added *January 1, 2006*. With the exception of samples from California and Maryland, samples will be sent to the New York (NY1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Peanut butter is being added *January 1, 2006*. All samples will be sent to the USDA Grain Inspection, Packers and Stockyards Administration [GIPSA, (US3)] laboratory, Kansas City, Missouri for multi-residue testing.

Poultry meat testing begins *January 1, 2006*. USDA Food Safety and Inspection Service (FSIS) inspectors will collect and ship poultry muscle (thigh and breast) tissue samples to the NSL (US2), Gastonia, North Carolina for multi-residue testing.

Raisins are being added *July 1, 2006*. With the exception of samples from California and Maryland, samples will be sent to the Texas (TX1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Sampling Continuations

Cauliflower, eggplant, grapefruit, orange juice, plums, watermelon, winter squash, and bottled water will continue to be sampled.

Wheat grain will continue to be sampled by USDA GIPSA. Wheat will be sampled through *September 30, 2006*, in order to capture two crop years.

Water survey: Raw and treated drinking water sampling will continue with testing services provided by the Colorado (CO1), Montana (MT1), and New York (NY1) laboratories. Samples will continue to be collected by participating water facility personnel, with a USDA contractor, Great Lakes Environmental Center (GLEC), providing sampling support service.

B. Testing Deletions and Changes:

Testing Deletions

Apple collection ended *December 31, 2005*. This ends multi-residue testing of apples under SOP PDP-QC-13 Apples by California (CA1) and New York (NY1).

Grape collection ended *December 31, 2005*. This ends multi-residue testing of grapes under SOP PDP-QC-13 Grapes by California (CA1) and Tallahassee, Florida (FL1).

Lettuce collection ended *December 31, 2005*. This ends multi-residue testing of lettuce under SOP PDP-QC-13 Lettuce by California (CA1) and New York (NY1).

Orange collection ended *December 31, 2005*. This ends multi-residue testing of oranges under SOP PDP-QC-13 Oranges by California (CA1) and Washington (WA1).

Strawberry collection ended *December 31, 2005*. This ends multi-residue testing of strawberries under SOP PDP-QC-13 Strawberries by California (CA1) and Michigan (MI1).

Frozen green bean collection ended *December 31, 2005*. This ends multi-residue testing of green beans under SOP PDP-QC-13 Green Beans by California (CA1) and Winter Haven, Florida (FL2).

Fluid milk collection ended *December 31, 2005*. This ends multi-residue testing of milk under SOP PDP-QC-13 Milk by the NSL (US2), Gastonia, North Carolina.

Heavy cream collection ended *December 31, 2005*. This ends multi-residue testing of heavy cream under SOP PDP-QC-13 Milk by the NSL (US2), Gastonia, North Carolina.

Soybean collection ended *December 31, 2005*. This ends multi-residue testing for identified soybean rust compounds under SOP PDP-QC-13 Soybeans by the USDA GIPSA (US3) laboratory, Kansas City, Missouri.

Winter squash collection will end *June 30, 2006*. This ends multi-residue testing of winter squash under SOP PDP-QC-13 Winter Squash by California (CA1) and Texas (NY1).

Testing Additions

Applesauce is being added *January 1, 2006*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the New York (NY1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Apples. Draft requirements include all current registered uses for apples. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Bananas are being added *January 1, 2006*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Tallahassee, Florida (FL1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Bananas. Draft requirements include all current registered uses for bananas. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Carrots are being added *January 1, 2006*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Michigan (MI1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Carrots. Draft requirements include all current registered uses for carrots. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Frozen peas are being added *January 1, 2006*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Winter Haven, Florida (FL2) laboratory. Samples from California and Maryland will be tested by the California (CA1)

laboratory. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Peas. Draft requirements include all current registered uses for peas. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Frozen potatoes are being added *January 1, 2006*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Washington (WA1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Potatoes. Draft requirements include all current registered uses for potatoes. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Spinach is being added *January 1, 2006*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the New York (NY1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Spinach. Draft requirements include all current registered uses for spinach. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Peanut butter is being added *January 1, 2006*. Multi-residue testing for all samples will be performed by the USDA GIPSA (US3) laboratory, Kansas City, Missouri. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Peanut Butter. Draft requirements include all current registered uses for peanuts. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Poultry meat testing begins *January 1, 2006*. USDA FSIS inspectors will collect and ship poultry muscle (thigh and breast) tissue samples to the NSL (US2), Gastonia, North Carolina for multi-residue testing. Draft requirements include all current registered uses for poultry. Commodity specific requirements are listed in draft revised SOP PDP-QC-13 Poultry. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Raisins are being added *July 1, 2006*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Texas (TX1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Raisins. Draft requirements include all current registered uses for raisins. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Testing Continuations

Multi-residue testing for **cauliflower, eggplant, grapefruit, orange juice, plums, watermelon, winter squash, and bottled water** continue.

Wheat grain continues. Multi-residue testing for all samples is performed by the USDA GIPSA (US3) laboratory, Kansas City, Missouri. Commodity specific requirements are listed in SOP PDP-QC-13 Wheat.

Water survey: Raw and treated drinking water sampling will continue with testing services provided by the Colorado (CO1), Montana (MT1), and New York (NY1) laboratories. Collection sites will be revised January 2006. GLEC will continue to provide sampling support services and collection will continue to be performed by participating water facility personnel.

C. Web Site for PDP Information:

For Pesticide Data Program information check out our Internet Web Site:

<http://www.ams.usda.gov/science/pdp/>

Attachment